

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

SB114
U6A3

STA/STA
=



United States
Department of
Agriculture

Agricultural
Marketing
Service

Plant Variety Protection Office Official Journal

Volume 14, No. 4
October--December
1986



CHARTER OF RECORDS

APR 7 '87

USDA
NATIONAL LIBRARY
1987

PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The Official Journal, published quarterly, is available from:

Plant Variety Protection Office
Agricultural Marketing Service
U.S. Department of Agriculture
National Agricultural Library Bldg., Rm. 500
Beltsville, Maryland 20705

CONTENTS

	PAGE
Applications Received.....	3
Certificates Issued.....	8
Applications Amended.....	20
Certificates Amended.....	21
Applications Abandoned, Withdrawn, Denied or Ineligible...	22
Certificates Voluntarily Abandoned.....	23
Description of Public Varieties.....	24

APPLICATIONS RECEIVED
OCTOBER 1, 1986 to DECEMBER 31, 1986

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
BARLEY 8700021	Semira	(3)	11/20/86	Svalof AB
BEAN, GARDEN 8700024	Stiletto		11/25/86	Ferry-Morse Seed Company
8700025	Blue Knight		11/25/86	Ferry-Morse Seed Company
BENTGRASS, CREEPING 8700030	Pennlinks	(1)	12/18/86	Pennsylvania Agricultural Experiment Station
CAULIFLOWER 8700004	Blue Diamond		10/14/86	Harris Moran Seed Company
CORN, FIELD 8700017	PHR36		11/12/86	Pioneer Hi-Bred International, Inc.
8700018	PHW17		11/12/86	Pioneer Hi-Bred International, Inc.
8700020	LH52		11/19/86	Holden's Foundation Seeds, Inc.
8700031	<Lp5>		12/19/86	Claeys-Luck

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1986 to DECEMBER 31, 1986

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
CORN, FIELD 8700036	764	12/30/86	Northrup King Co.
COTTON 8700005	GSC 27	10/15/86	GroAgri Seed Company
	8700006	10/15/86	GroAgri Seed Company
COMPEA 8700014	<Pinkeye Pink Pod>	11/03/86	Chester Brogden and Charles E. Smith
FESCUE, CHEWINGS 8700003	Victory	10/06/86	Pickseed West, Inc.
FESCUE, RED 8700028	Barcrown	(3) 12/15/86	Barenbrug Holland B.V.
FESCUE, TALL 8700019	Arid	11/17/86	Jacklin Seed Company
LETTUCE 8700002	Ramrod	10/06/86	Genecorp Technology

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED

OCTOBER 1, 1986 to DECEMBER 31, 1986

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
LETTUCE				
8700015	Paragon	11/10/86		Bruce Church, Inc.
8700023	Redprize	11/25/86		Ferry-Morse Seed Company
MUSKMELON				
8700013	Sunglo Casaba	11/03/86		Gro-Pro Enterprises, Inc.
PEA				
8700022	Blizzard	11/24/86		Sunseeds, A Division of Agrigenetics
PEPPER				
8700016	Vlacini	(1) 11/10/86		Campbell Soup Company Campbell Institute for Research and Technology
RYEGRASS, PERENNIAL				
8700027	Barbati	(3) 12/15/86		Barenbrug Holland B.V.
SOYBEAN				
8700001	Coker 627	10/03/86		CR Seeds

 (*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
 < > Identifies temporary designations.

APPLICATIONS RECEIVED
OCTOBER 1, 1986 to DECEMBER 31, 1986

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*)	NAME OF APPLICANT
SOYBEAN			
8700007	Sherman	(3)	10/20/86 Ohio Agricultural Research and Development Center, Ohio State University
8700012	FFR 561	11/03/86	FFR Cooperative
8700035	Coker 686	12/24/86	Coker's Pedigreed Seed Co.
8700037	HS 302	12/31/86	Growmark, Inc.
8700038	HS 321	12/31/86	Growmark, Inc.
8700039	HS 348	12/31/86	Growmark, Inc.
TOMATO			
8700026	Diablo	11/28/86	Harris Moran Seed Company
VERBENA, ANNUAL			
8700008	Romance Scarlet	10/22/86	Sluis & Groot Research
8700009	Romance White	10/22/86	Sluis & Groot Research

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS RECEIVED

OCTOBER 1, 1986 to DECEMBER 31, 1986

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
WHEAT, COMMON			
8700010	2154	10/23/86	Pioneer Hi-Bred International, Inc.
8700011	2555	10/23/86	Pioneer Hi-Bred International, Inc.
8700029	2385	12/15/86	Pioneer Hi-Bred International, Inc.
8700032	Lincoln	(3) 12/19/86	Nickerson American Plant Breeders Inc.
8700033	Twain	(3) 12/19/86	Nickerson American Plant Breeders Inc.
8700034	Trailblazer	(3) 12/29/86	Nickerson American Plant Breeders, Inc.

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

8

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
--------------	---------	-------------	---------------	---------------

ALFALFA

8500189 Diamond 11/28/86 Nickerson American Plant Breeders, Inc.
'Diamond' is most similar to 'Baron', but 'Diamond' has greater resistance to anthracnose (32 vs 12% resistant plants).

8600011 Oneida VR

(2) 12/31/86 Cornell University Agricultural Experiment Station
'Oneida VR' is most similar to '5444' considering Verticillium wilt as the major character (both have high resistance), but 'Oneida VR' has 69% purple flowers whereas '5444' has 84% purple flowers. 'Oneida VR' also has higher levels of resistance to anthracnose race 1 (low to moderate resistance vs susceptible) and to bacterial wilt (resistant vs moderate resistance) than '5444'.

BARLEY

8500061 Spirit

(3) 12/31/86 D.J. van der Have B.V.
'Spirit' most closely resembles 'Menuet'; however, 'Spirit' has long rachilla hairs, a strong covering of hair on the glumes and no to very weak denticulation of the lateral nerves of the lemma whereas 'Menuet' has short rachilla hairs, a weak covering of hair on the glumes and teeth on the lateral nerves of the lemma.

BEAN, FIELD

8400008 Wesland

12/31/86 Asgrow Seed Company
'Wesland' is most similar to 'Kentwood', but 'Wesland' is resistant to race 15 of common bean mosaic virus, whereas 'Kentwood' is susceptible.

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, FIELD				
8600075	Crestwood	(2)	11/28/86	Gentec, Inc.
'Crestwood' is most similar to 'Ex Rico 23', but 'Crestwood' is resistant to alpha and delta races of anthracnose whereas 'Ex Rico 23' is susceptible to both races.				
BEAN, GARDEN				
8400108	Bounty	10/31/86	Ferry-Morse Seed Company	
'Bounty' is most similar to 'Tenderlake'; however, 'Bounty' has shorter pods (13.0 vs 13.6 cm) and longer spur length (14.2 vs 11.4 mm) than 'Tenderlake'.				
8400132	Evergreen	12/31/86	van Waveren-Pflanzenzucht GmbH	
'Evergreen' is most similar to 'Amity', but 'Evergreen' has a lower percentage of larger pods and a smaller center seed length than 'Amity'. 'Evergreen' also has darker green pod color [137A vs 137C on the Royal Horticultural Society (RHS) Colour Chart], and more straight and more slender pods than 'Amity'. The general protein electrophoresis patterns for 'Evergreen' and 'Amity' are different based on 2 separate procedures.				
8400133	Accord	12/31/86	van Waveren-Pflanzenzucht GmbH	
'Accord' is most similar to 'Earlybird', but 'Accord' is susceptible to NY 15 strain of common bean mosaic virus whereas 'Earlybird' is resistant.				
8400134	Amity	12/31/86	van Waveren-Pflanzenzucht GmbH	
'Amity' is very similar to 'Evergreen', but 'Amity' has a higher percentage of larger pods and a smaller center seed size in #5 sieve size pods than 'Evergreen'. 'Amity' is also very similar to 'Earlybird', but 'Amity' is susceptible to the alpha race of anthracnose whereas 'Earlybird' is resistant.				

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CAULIFLOWER				
8500215	Silver Stream 'Silver Stream' is most similar to 'Silver Star'; however, 'Silver Stream' matures 7 days earlier than 'Silver Star'.	11/28/86	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
8600069	White Satin 'White Satin' is most similar to 'White Rock'; however, 'White Satin' has white flowers whereas 'White Rock' has yellow flowers.	11/28/86	Sluis & Groot Research, The Netherlands	
CORN, FIELD				
8400111	SX-4-21 'SX-4-21' is most similar to the tetraploid varieties 'SX-4-5', 'SX-4-4' and 'SX-4-33-4-2'; however, 'SX-4-21' has 9 tassel branches per plant, pink glumes, and green husk color whereas 'SX-4-5' has red husks, 'SX-4-4' has yellow glumes and 'SX-4-33-4-2' has 15 tassel branches per plant.	10/31/86	The Standard Oil Company	
8400112	SX-6-7 'SX-6-7' is most similar to the tetraploid varieties 'SX-6-3', 'SX-6-15-2-1' and 'SX-6-10'; however, 'SX-6-7' has a leaf angle less than 30 degrees, 10 tassel branches, and a tassel branch angle less than 30 degrees, whereas 'SX-6-3' has a leaf angle greater than 60 degrees, 'SX-6-15-2-1' has 15 tassel branches, and 'SX-6-10' has a tassel branch angle from 30 to 60 degrees.	10/31/86	The Standard Oil Company	
8400113	SX-6-10 'SX-6-10' is most similar to the tetraploid varieties 'SX-6-7', 'SX-6-15-2-1' and 'SX-6-3'; however, 'SX-6-10' has 1-2 tillers per plant and yellow anthers whereas 'SX-6-7' and 'SX-6-15-2' do not have tillers and 'SX-6-3' has pink anthers.	10/31/86	The Standard Oil Company	

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (#)	ISSUE DATE	NAME OF OWNER
CORN, FIELD				
8400114	SX-5-6		10/31/86	The Standard Oil Company
	'SX-5-6' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-5-11' and 'SX-6-3'; however, 'SX-5-6' has an ear height of 120 cm, dark green leaves, 14 tassel branches and yellow anthers whereas 'SX-4-2' has 7 tassel branches, 'SX-4-4' has light green leaves, 'SX-5-11' has an ear height of 98 cm, and 'SX-6-3' has pink anthers.			
8400115	SX-4-5		10/31/86	The Standard Oil Company
	'SX-4-5' is most similar to the tetraploid varieties 'SX-4-4', 'SX-4-16-2' and 'SX-4-33-4-2'; however, 'SX-4-5' has 6 tassel branches and pink anther glumes whereas 'SX-4-4' and 'SX-4-16-2' have green glumes and 'SX-4-33-4-2' has 15 tassel branches.			
8400116	SX-4-4		10/31/86	The Standard Oil Company
	'SX-4-4' is most similar to the tetraploid varieties 'SX-4-2', 'SX-5-6', 'SX-5-11' and 'SX-6-3'; however, 'SX-4-4' has light green leaves whereas 'SX-4-2', 'SX-5-6', 'SX-5-11' and 'SX-6-3' all have dark green leaves.			
8400118	SX-6-3		10/31/86	The Standard Oil Co.
	'SX-6-3' is most similar to the tetraploid varieties 'SX-4-2', 'SX-4-4', 'SX-5-6' and 'SX-5-11'; however, 'SX-6-3' has pink anthers and a tassel branch angle less than 30 degrees whereas 'SX-4-2', 'SX-4-4' and 'SX-5-6' have yellow anthers and 'SX-5-11' has a tassel branch angle greater than 30 degrees.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
CORN, FIELD				
8500045	SX-5-9-1-2	10/31/86	The Standard Oil Co.	
	'SX-5-9-1-2' is most similar to the tetraploid varieties 'SX-5-6', 'SX-5-11', 'SX-5-13-3', 'SX-5-14-1-2' and 'SX-5-18'; however, 'SX-5-9-1-2' has pink anthers, green silks, and no tillers whereas 'SX-5-14-1-2', 'SX-5-13-3' and 'SX-5-6' have yellow anthers, 'SX-5-11' has pink silks, and 'SX-5-18' has 1-2 tillers per plant.			
8500050	SX-6-15-2-1	10/31/86	The Standard Oil Co.	
	'SX-6-15-2-1' is most similar to the tetraploid varieties 'SX-6-3', 'SX-6-7', 'SX-6-8' and 'SX-6-10'; however, 'SX-6-15-2-1' has yellow anther glumes whereas these other varieties have pink glumes.			
8500051	SX-5-14-1-2	10/31/86	The Standard Oil Co.	
	'SX-5-14-1-2' is most similar to the tetraploid varieties 'SX-5-6', 'SX-5-11', 'SX-5-9-1-2', 'SX-5-13-3' and 'SX-5-18'; however, 'SX-5-14-1-2' has yellow anther glumes and 12 tassel branches whereas 'SX-5-9-1-2', 'SX-5-18', 'SX-5-11' and 'SX-5-6' have pink glumes and 'SX-5-13-3' has 20 tassel branches.			
8600091	78002A	12/31/86	Dekalb-Pfizer Genetics	
	'78002A' is most similar to 'A634'; however, '78002A' has brown cobs whereas 'A634' has red cobs.			
8600092	4676A	12/31/86	Dekalb-Pfizer Genetics	
	'4676A' is most similar to 'A632'; however, '4676A' has a taller plant (222 vs 193 cm) with a shorter ear height (77 vs 91 cm) than 'A632'.			

 (*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COTTON				
8600086	Lankart 511		11/28/86	Cargill Incorporated, Seed Division
	'Lankart 511' is most similar to 'Lockett 77'; however, 'Lankart 511' bolls are more stormproof (6.8 vs 5.3 on scale 1-9), bolls are smaller (5.4 vs 5.8 g/boll) and seeds are smaller (10.8 vs 11.3 g/100 seed) than 'Lockett 77'.			
FESCUE, HARD				
8600070	Aurora		11/28/86	Pure-Seed Testing, Inc.
	'Aurora' most resembles 'Biljart' and 'Reliant'; however, 'Aurora' heads 3 days later and is 5 cm shorter in plant height than 'Biljart' and 'Reliant'.			
FESCUE, RED				
8600077	Flyer		11/28/86	Pure-Seed Testing, Inc.
	'Flyer' most resembles 'Ensylva' and 'Fortress'; however, 'Flyer' heads 8 days earlier than 'Ensylva' and 7 days earlier than 'Fortress'.			
LETTUCE				
8500033	Shogun		11/28/86	Ferry-Morse Seed Company
	'Shogun' most closely resembles 'Climax' when grown in the winter desert growing season. However, 'Shogun' has resistance to downy mildew whereas 'Climax' has none. 'Shogun' most closely resembles 'Calmar' when grown in midwinter for early spring harvest. However, 'Shogun' has more vigorous frame spread (42 vs 33 cm, November greenhouse planting at San Juan Bautista, CA), and bolts more rapidly than 'Calmar' in July field plantings at San Juan Bautista (59 vs 20 cm seedstalk height at 78 days).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
-----------	---------	----------	------------	---------------

LETTUCE

8500034	Dynasty	11/28/86	Ferry-Morse Seed Company	'Dynasty' is most similar to 'Montemar' but 'Dynasty' is resistant to lettuce mosaic virus whereas 'Montemar' is susceptible.
8500060	Salad Bibb	12/31/86	Harris Moran Seed Company	'Salad Bibb' is most similar to 'Summer Bibb', but 'Salad Bibb' is resistant to lettuce mosaic and broad bean wilt virus whereas 'Summer Bibb' is susceptible to both.
8600110	Bix	11/28/86	Asgrow Seed Company	'Bix' is most similar to 'Salinas', but 'Bix' has longer core length (83 vs 72 cm, average of 2 years' data). 'Bix' also forms firmer heads under warm conditions.

OAT

8600111	Classic	11/28/86	Asgrow Seed Company	'Classic' is most similar to 'Empire' and 'Fame', but 'Classic' has white seed whereas 'Empire' and 'Fame' have black seed.
8500021	Magnum	(*) 11/28/86	H. L. Umlauf	'Magnum' is most similar to 'Don de Dieu'; however, 'Magnum' is taller (160-190 vs 70-110 cm) and has shorter lemmas (first lemmas, 11-13 vs 17-20 mm; second lemmas, 8-10 vs 12-16 mm).

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
OKRA				
8600117	Prelude	10/31/86		Northrup King Co.
'Prelude' is most similar to 'Clemson Spineless 80', but 'Prelude' has deeply cut leaves with narrow leaflets whereas 'Clemson Spineless 80' has intermediately cut leaves with wider (normal) lobe width. Also, 'Prelude' averages 5.5 days earlier in maturity than 'Clemson Spineless 80' (in days to first pod harvest).				
PEA				
8600054	Daybreak	11/28/86		Gallatin Valley Seed Co.
'Daybreak' is most similar to 'Spring'; however, 'Daybreak' is resistant to pea leafroll virus whereas 'Spring' is susceptible.				
8600067	Nomad	11/28/86		Rogers Brothers Seed Company
'Nomad' most closely resembles 'Dark Skin Perfection'; however, 'Nomad' sets an occasional fruiting node with three pods whereas 'Dark Skin Perfection' sets only two pods per node. 'Nomad' pea sieve size is smaller than 'Dark Skin Perfection' (3.7 vs 4.8).				
8600100	Treat	12/31/86		Asgrow Seed Company
'Treat' is most similar to 'Trend'; however, 'Treat' has a darker green pea color (144A vs 144B on the RHS Colour Chart) than 'Trend'.				
PEPPER				
8600059	Hidalgo	(*) 11/28/86		Texas Agricultural Experiment Station
'Hidalgo' is most similar to 'Panuco'; however, 'Hidalgo' is resistant to tobacco etch virus, potato Y virus and tobacco mosaic virus whereas 'Panuco' is susceptible.				

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.				

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
PUMPKIN				
8600093	Happy	11/28/86	Jennie Catherine Brush	'Small Sugar' has an orange rind.
	'Happy' is most similar to 'Small Sugar'; however, 'Happy' has a white rind whereas 'Small Sugar' has an orange rind.			
RAPE				
8500171	Bridger	(2) 12/31/86	University of Idaho	
	'Bridger' closely resembles 'Indore'; however, 'Bridger' is more winterhardy (95 vs 69% survival) than 'Indore'.			
8500172	Cascade	(2) 12/31/86	University of Idaho	
	'Cascade' is similar to 'Jupiter'; however, 'Cascade' has lower levels of glucosinolate (18.9 vs 55.8 millimoles/g) and erucic acid (0.0 vs 4.6%) than 'Jupiter'.			
SOYBEAN				
8400120	S23-03	11/28/86	Northrup King Co.	
	'S23-03' is most similar to 'S1492', 'B216' and 'Harcor'; however, 'S23-03' has purple flowers whereas 'B216' and 'S1492' have white flowers and 'S23-03' has buff hila whereas 'Harcor' has yellow hila.			
8500119	S42-30	10/31/86	Northrup King Co.	
	'S42-30' is most similar to 'S42-40'; however, 'S42-30' has low seed coat peroxidase activity whereas 'S42-40' has high peroxidase activity.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. ISSUE (*)	NAME OF OWNER
<u>SOYBEAN</u>			
8600046	Regal	(3) 10/31/86	Purdue University Agricultural Exp. Sta. and USDA-ARS
	'Regal' is most similar to 'Union'; however, 'Regal' is susceptible to race 2 of <u>Phytophthora megasperma</u> whereas 'Union' is resistant.		
8600056	AP 2190	10/31/86	Nickerson American Plant Breeders, Inc.
	'AP 2190' is most similar to 'Wells' and 'Wells II'; however, 'AP 2190' has high seed coat peroxidase activity whereas 'Wells' and 'Wells II' have low peroxidase activity.		
8600057	AP 3023	10/31/86	Nickerson American Plant Breeders, Inc.
	'AP 3023' is most similar to 'AP 250'; however, 'AP 3023' is resistant to races 1 and 2 of <u>Phytophthora megasperma</u> whereas 'AP 250' is susceptible.		
8600058	AP 4321	10/31/86	Nickerson American Plant Breeders, Inc.
	'AP 4321' is most similar to 'A3127'; however, 'AP 4321' has brown pods whereas 'A3127' has tan pods. 'AP 4321' is an early to mid group IV variety whereas 'A3127' is an early to mid group III variety.		
8600062	Starr	11/28/86	Helena Chemical Company
	'Starr' is most similar to 'Braxton'; however, 'Starr' has white flowers whereas 'Braxton' has purple flowers.		

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986

CERT. NO.	VARIETY	GEN. (#)	ISSUE DATE	NAME OF OWNER
SOYBEAN				
8600068	Sampson	11/28/86	Helena Chemical Company	
	'Sampson' is most similar to 'Centennial'; however, 'Sampson' is susceptible to races 1 and 2 of <u>Phytophthora megasperma</u> whereas 'Centennial' is resistant.			
8600079	Hawkson	11/28/86	Identity Seed & Grain Company	
	'Hawkson' is most similar to 'Corsoy 79'; however, 'Hawkson' has an imperfect black hilum whereas 'Corsoy 79' has a yellow (clear) hilum.			
8600101	A0949	12/31/86	Asgrow Seed Company	
	'A0949' is most similar to 'Simpson', 'Dawson' and 'Evans'; however, 'A0949' has white flowers whereas 'Simpson' and 'Dawson' have purple flowers and 'A0949' is resistant to races 3, 7, 8 and 9 of <u>Phytophthora megasperma</u> whereas 'Evans' is susceptible to races 3, 7, 8 and 9.			
8600107	A7986	12/31/86	Asgrow Seed Company	
	'A7986' is most similar to 'Coker 368' and 'DPL 417'; however, 'A7986' has purple flowers whereas 'Coker 368' and 'DPL 417' have white flowers.			
WATERMELON				
8500103	Charlee	10/31/86	Florida Agricultural Experiment Station	
	'Charlee' is most similar to 'Charleston Gray', but 'Charlee' is resistant to Fusarium wilt whereas 'Charleston Gray' has low level resistance (100 vs 15% resistant plants).			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

**CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
OCTOBER 1, 1986 TO DECEMBER 31, 1986**

CERT. NO.	VARIETY	GEN. ISSUE (*)	NAME OF OWNER
WHEAT, COMMON			
8400023	WestBred Challenger	(*) 12/31/86	Western Plant Breeders, Inc.
	'WestBred Challenger' is most similar to 'Apex 83'; however, 'WestBred Challenger' heads 1 to 2 days earlier than 'Apex 83' and has elevated glume shoulders and elliptical kernels whereas 'Apex 83' has square glume shoulders and ovate seed.		
8400024	Apex 83	(*) 12/31/86	Western Plant Breeders, Inc.
	'Apex 83' is most similar to 'Pondera' and 'WestBred Challenger'; however, 'Apex 83' heads 3 to 4 days earlier than 'Pondera' and has mostly square glume shoulders whereas 'Pondera' has oblique glume shoulders and 'WestBred Challenger' has elevated glume shoulders. 'Apex 83' has ovate kernels and a more pronounced twisting of the flag leaf than 'WestBred Challenger'. 'WestBred Challenger' has more elliptical seed.		
8400058	Coker 983	(3) 12/31/86	CR Seeds
	'Coker 983' is most similar to 'Hunter'; however, 'Coker 983' averages 4.6 days later heading than 'Hunter' and its color at boot is more yellow-green (146A vs 137A on the RHS Colour Chart) than 'Hunter'.		
8400086	Centura	(3) 12/31/86	The University of Nebraska and ARS-USDA
	'Centura' is most similar to 'Centurk 78'; however, 'Centura' has a tendency to "square-headedness" whereas 'Centurk 78' does not. 'Centura' is also moderately resistant to stem rust race 'RKQS' whereas 'Centurk 78' is susceptible.		
8400087	Colt	(3) 12/31/86	The University of Nebraska and ARS-USDA
	'Colt' is most similar to 'Vona'; however, 'Colt' has a longer beak (13-14 vs 4-7 mm) than 'Vona' and averages 2 days later in heading than 'Vona'.		

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.

APPLICATIONS AMENDED
OCTOBER 1, 1986 TO DECEMBER 31, 1986

Information concerning the varieties below has been published previously in the Official Journal's list of APPLICATIONS RECEIVED. During the examination process, the applicant requested this information to be amended as indicated below.

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
BEAN, GARDEN 8500094	Blazer	03/28/85	Rogers Brothers Seed Company
	Variety with temporary designation <GP 826414> named 'Blazer'.		
8500135	Tess	04/30/85	Asgrow Seed Company
	Variety with temporary designation <XP-B161> named 'Tess'.		
BEAN, GARDEN SHELL 8500138	Buttergreen	04/30/85	Asgrow Seed Company
	Variety with temporary designation of <XP-B153> named 'Buttergreen'.		
LETTUCE 8600154	Vanpire	08/14/86	Genecorp Technology
	Variety name changed from 'Van Pire' to 'Vanpire'.		
RAPE 8600004	Glacier	(2) 10/09/85	Svalof AB, Sweden
	Variety name changed from 'Sv 0212' to 'Glacier'.		
WATERMELON 8400139	Sweet Treat	08/22/84	W. Atlee Burpee Company
	Variety name changed from 'Sweetheart' to 'Sweet Treat'.		

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

CERTIFICATES AMENDED
OCTOBER 1, 1986 TO DECEMBER 31, 1986

The following certificates have been amended in accordance with Sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON 8300064 Feland		(3)	03/31/86	Southern States Cooperative, Inc.
	Name of owner changed from Coker's Pedigreed Seed Co. to Southern States Cooperative, Inc.			

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
OCTOBER 1, 1986 TO DECEMBER 31, 1986

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act. Varieties published in this list may possibly be protected under the Patent Act.

KIND	APPL.NO.	VARIETY
ALFALFA	8100079	Armor
ALFALFA	8500185	Hassawi 85
BROMEGRASS	7800106	Rebound
LETTUCE	8500004	<GCT 207>
RAPE	8600022	Mikado
TOMATO	8300120	Apex 2000

< > Identifies temporary designations.

**CERTIFICATES VOLUNTARILY ABANDONED
OCTOBER 1, 1986 TO DECEMBER 31, 1986**

In compliance with Section 180.104(d) of the Plant Variety Protection Act, certificates of plant variety protection for the varieties listed below are voluntarily abandoned at the request of the owner. Although propagation of these varieties is no longer prohibited by the Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

<u>KIND</u>	<u>CERT. NO.</u>	<u>VARIETY</u>	<u>DATE ABANDONED</u>
SOYBEAN	8300145	Ruby	03/07/86
SOYBEAN	8400070	HT4203	03/25/86

DESCRIPTION OF PUBLIC VARIETIES

In accordance with Section 180.800 of the Plant Variety Protection Act, descriptions of "public varieties" voluntarily submitted on PVP objective description forms will be accepted for publication in the Official Journal. Publication of such descriptions in no way constitutes recognition of the variety as novel or entitles it to protection under the Plant Variety Protection Act.

On the following pages are descriptions of 2 tobacco varieties developed and released by the North Carolina Agricultural Research Service, North Carolina State University, Raleigh, N. C. The "PV Number" assigned to each variety should not be construed as meaning the variety is protected under the PVP Act; it is merely the accession number of that variety in the Office's database of tobacco variety descriptions.

Requests for seed samples and further information about these cultivars should be directed to Dr. D. F. Bateman, Director, North Carolina Agricultural Research Service, Box 7601, Raleigh, NC 27695-7601.

VOLUNTARY TOBACCO DESCRIPTION:

Variety Name: 'NC 60'

PV Number: 8710002

'NC 60' is an inbred tobacco cultivar developed from the cross McNair 449 x Speight G-28 which was released in the F9 generation. It is a uniform and stable flue-cured variety.

Year of release	1986
Originator	North Carolina State University
Curing class	Flue-cured
Days to flower	66
4 days later than:	NC95
Days to transplant	70
Days to transplant =	NC2326
Plant Height	104 cm
Height =	NC95
Leaf yield kg/h	3519
5% more than	NC95
Leaf no. topped	18.5
Leaf carriage	Arched
Leaf color	Green
Leaf shape	Longer than broad
Leaf shape	Broadest below middle
Leaf tip shape	Acuminate
Leaf venation pattern	Angular
Leaf surface	Smooth
Leaf margin	Not wavy
Leaf margin	Not recurved
Flower color	Pink
Flower head habit	Open
Plant form	Pyramidal
Ground suckers	1.6/plant
Black shank	Resistant
Black root rot	Resistant
Fusarium nicotiana	Susceptible
Bacterial wilt	Resistant
Tobacco mosaic V	Susceptible
Root knot nematode	Resistant
Nicotine %	2.6
Nor nicotine %	.18
Total nitrogen %	2.35
Reducing sugar %	19.00

VOLUNTARY TOBACCO DESCRIPTION:

Variety Name: 'NC 27NF'

PV Number 8710001

'NC 27NF' is an inbred flue-cured tobacco cultivar developed from the cross (Coker 319 x NCTG-21) x Coker 319 and released in the F8 generation. The variety is uniform, stable and photoperiod sensitive, not flowering under North Carolina summer conditions. It also has apical dominance which maintains complete suppression of axillary suckers prior to topping.

Year of release	1986	Petiole angle	35 degrees
Originator	N. C. State Univ.	Petiole angle class	35-45
Curing class	Flue-cured	Leaf carriage	Arched
Maturity class	Very late	Leaf color	Green
Plant height	90.0 cm	Leaf shape	Longer than broad
17.0 cm shorter than	NC2326	Leaf shape	Broadest at middle
Leaf 5 length	40.0 cm	Leaf tip shape	Acute
1.0 cm shorter than	NC2326	Leaf venation pattern	Angular
Leaf 10 length	60.0 cm	Leaf surface	Smooth
5.0 cm shorter than	NC2326	Leaf margin	Not wavy
2.0 cm longer than	NC95	Leaf margin	Not recurved
Leaf 15 length	55.0 cm	Flower color	Pink
5.0 cm shorter than	NC2326	Flower head habit	Intermediate
4.0 cm longer than	NC95	Plant form	Columnar
Leaf 5 width	26.0 cm	Ground suckers	0.1/plant
1.0 cm wider than	NC2326	Black shank	Low resistance
Leaf 10 width	28.0 cm	Brown spot	Low resistance
3.0 cm wider than	NC2326	Bacterial wilt	Moderately resistant
Leaf 15 width	19.0 cm	Potato virus Y	Susceptible
5.0 cm wider than	NC2326	Tobacco mosaic V	Susceptible
Leaf yield kg/h	3809	Tobacco etch virus	Susceptible
20% more than	NC2326	Root knot nematode	Susceptible
Leaf no. topped	19.0	Ozone air pollution	Resistant
Leaf no. not topped	38.0	Nicotine %	2.72
Internode length	47 mm	Nor nicotine %	.19
2 mm shorter than	NC2326	Total nitrogen %	2.24
1 mm longer than	NC95	Reducing sugar %	20.0

United States
Department of Agriculture
Agricultural Marketing Service
Warehouse & Seed Division
Washington, D.C. 20250-0200

OFFICIAL BUSINESS
Penalty for Private Use, \$300



Postage and Fees Paid
United States
Department of Agriculture
AGR-101

THIRD CLASS